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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Attorney Docket No.: S-97,794

First Inventor or Application Identifier: Karen M. Grace

Title:
WAVEGUIDE-BASED OPTICAL CHEMICAL SENSOR

Express Mail Label No: ET461830237US

APPLICATION ELEMENTS

ADDRESS TO: Box Patent Application
Commissioner for Patents
Washington, DC 20231

1. ☒ * Fee Transmittal Form (e.g. PTO/SB/17)
(submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages: 63]
☒ Descriptive title of the Invention
☒ Cross References to Related Applications
☒ Statement Regarding Fed sponsored R&D
☐ Reference to sequence listing, a table
or a computer program listing appendix
☒ Background of the Invention
☒ Brief Description of the Drawings (if filed)
☒ Detailed Description
☒ Claim(s)
☒ Abstract of the Disclosure
4. ☒ Drawings(s) (35 U.S.C. 113) [Total Sheets: 10]
] ☐ Formal ☒ Informal
5. ☐ Declaration & Power of Attorney [Total Pages:]
a. ☐ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 C.F.R. 5.63(d)
(for continuation/divisional with Box 16 completed)
c. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b).

6. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☐ Computer Readable Copy
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies): or
ii. ☐ paper
c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & documentation)
9. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
10. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)
(should be specifically itemized)
13. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
14. ☒ Request and Certification Under 35 U.S.C.
122(b)(2)(b)(i)
15. ☐ Other:

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application SN 09/393,543.

Prior application information: Examiner M. Sikder

Group/Art Unit: 2872

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

16. CORRESPONDENCE ADDRESS

Name: Gemma Morrison Bennett

Address: Los Alamos National Laboratory
LC/IP, MS A187

City: Los Alamos State: New Mexico Zip Code 87545

Country: United States Telephone: (505) 667-6989 Fax: (505) 665-4424

Name (Print/Type): Gemma Morrison Bennett

Registration No. (Attorney/Agent): 34,516

Signature: *Gemma Morrison Bennett*

Date: November 09, 2001

FEE TRANSMITTAL For FY 2002 <small>Patent fees are subject to annual revision</small>		Complete if Known																																																																																																																	
		Application Number:																																																																																																																	
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1. <input checked="" type="checkbox"/> The commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 12-2150 Deposit Account Name: Los Alamos National Laboratory <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17 <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		3. ADDITIONAL FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee</th> <th style="text-align: left;">Small Entity Fee</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>\$130</td> <td>\$65</td> <td>Surcharge – late filing fee or oath</td> <td></td> </tr> <tr> <td>\$50</td> <td>\$25</td> <td>Surcharge – late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>\$2,520</td> <td>\$2,520</td> <td>For filing a request for reexamination</td> <td></td> </tr> <tr> <td>\$110</td> <td>\$55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>\$400</td> <td>\$200</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>\$920</td> <td>\$460</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>\$1,440</td> <td>\$720</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>\$1,960</td> <td>\$980</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>\$320</td> <td>\$160</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>\$320</td> <td>\$160</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>\$280</td> <td>\$140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>\$110</td> <td>\$55</td> <td>Petition to revive – unavoidable</td> <td></td> </tr> <tr> <td>\$1,280</td> <td>\$640</td> <td>Petition to revive – unintentional</td> <td></td> </tr> <tr> <td>\$130</td> <td>\$130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>\$50</td> <td>\$50</td> <td>Petitions related to provisional applications</td> <td></td> </tr> <tr> <td>\$180</td> <td>\$180</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>\$740</td> <td>\$370</td> <td>Filing a submission after final rejection (37 CFR 1.129 (a))</td> <td></td> </tr> <tr> <td>\$740</td> <td>\$370</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>\$300</td> <td>\$300</td> <td>Publication fee for early, voluntary, or normal publication</td> <td></td> </tr> <tr> <td colspan="3">Other fee (specify) _____</td> <td></td> </tr> <tr> <td colspan="3">Other fee (specify) _____</td> <td></td> </tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL (3)</td> <td style="text-align: right;">\$</td> </tr> <tr> <td colspan="3">Reduced by Basic Filing Fee Paid</td> <td></td> </tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL FROM 1</td> <td style="text-align: right;">\$ 370.00</td> </tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL FROM 2</td> <td style="text-align: right;">\$1641.00</td> </tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL FROM 3</td> <td style="text-align: right;">\$</td> </tr> <tr> <td colspan="3" style="text-align: right;">TOTAL AMOUNT OF PAYMENT</td> <td style="text-align: right;">\$2011.00</td> </tr> </tbody> </table>		Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid	\$130	\$65	Surcharge – late filing fee or oath		\$50	\$25	Surcharge – late provisional filing fee or cover sheet		\$2,520	\$2,520	For filing a request for reexamination		\$110	\$55	Extension for reply within first month		\$400	\$200	Extension for reply within second month		\$920	\$460	Extension for reply within third month		\$1,440	\$720	Extension for reply within fourth month		\$1,960	\$980	Extension for reply within fifth month		\$320	\$160	Notice of Appeal		\$320	\$160	Filing a brief in support of an appeal		\$280	\$140	Request for oral hearing		\$110	\$55	Petition to revive – unavoidable		\$1,280	\$640	Petition to revive – unintentional		\$130	\$130	Petitions to the Commissioner		\$50	\$50	Petitions related to provisional applications		\$180	\$180	Submission of Information Disclosure Statement		\$740	\$370	Filing a submission after final rejection (37 CFR 1.129 (a))		\$740	\$370	For each additional invention to be examined (37 CFR 1.129(b))		\$300	\$300	Publication fee for early, voluntary, or normal publication		Other fee (specify) _____				Other fee (specify) _____				SUBTOTAL (3)			\$	Reduced by Basic Filing Fee Paid				SUBTOTAL FROM 1			\$ 370.00	SUBTOTAL FROM 2			\$1641.00	SUBTOTAL FROM 3			\$	TOTAL AMOUNT OF PAYMENT			\$2011.00
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SUBMITTED BY

Complete (if applicable)

Printed Name: Gemma Morrison Bennett

Reg. No. 34,516

Signature: *Gemma Morrison Bennett*

Date: 11/09/01

Telephone (505) 667-6989

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Karen M. Grace et al. Docket No. : S-97,794
Serial No.: Examiner:
Filed: November 09, 2001 Art Unit:
For: WAVEGUIDE-BASED OPTICAL CHEMICAL SENSOR

Commissioner for Patents
Washington, DC 20231

Transmittal/Fee Letter

Sir:

Enclosed herewith for filing in the above-captioned application are:

1. Utility Patent Application Transmittal;
2. Fee Transmittal; and
3. Request and Certification Under 35 U.S.C. 122(b)(2)(b)(i)

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

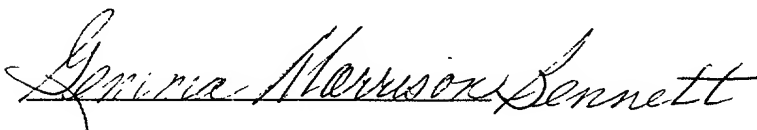
I hereby certify that this correspondence is, on the date shown below, being:

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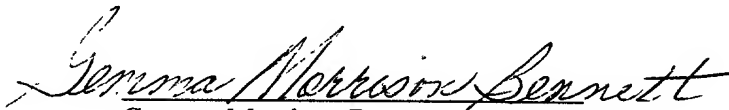
Gemma Morrison Bennett
(type or print name of person certifying)

Date: November 09, 2001

Authorization is hereby given to charge the fee set forth in 1.17 to deposit account # 12-2150. The Commissioner for Patents is hereby authorized to charge any additional fees which may be required under 37 CFR 1.16 or 37 CFR 1.17, or credit any overpayment, to Deposit Account # 12-2150, but is not authorized to charge any fee provided for under 37 CFR 1.18. A duplicate copy of this paper is enclosed.

Respectfully submitted,

Date: November 09, 2001
Reg. No. 34,516
Phone (505) 667-6989


Gemma Morrison Bennett
Los Alamos National Laboratory
LC/IP, MS A187
Los Alamos, New Mexico 87545

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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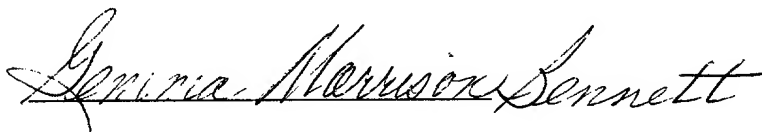
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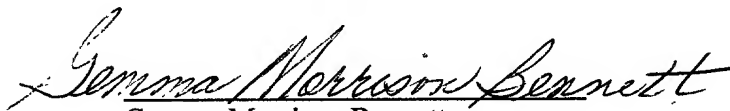
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Gemma Morrison Bennett
Los Alamos National Laboratory
LC/IP, MS A187
Los Alamos, New Mexico 87545

(11/29/00)

REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(b)(i)	First Named Inventor: Karen M. Grace
	Title: WAVEGUIDE-BASED OPTICAL CHEMICAL SENSOR
	Atty Docket Number: S-97,794

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122 (b).

November 09, 2001
Date


Signature

Gemma Morrison Bennett
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**